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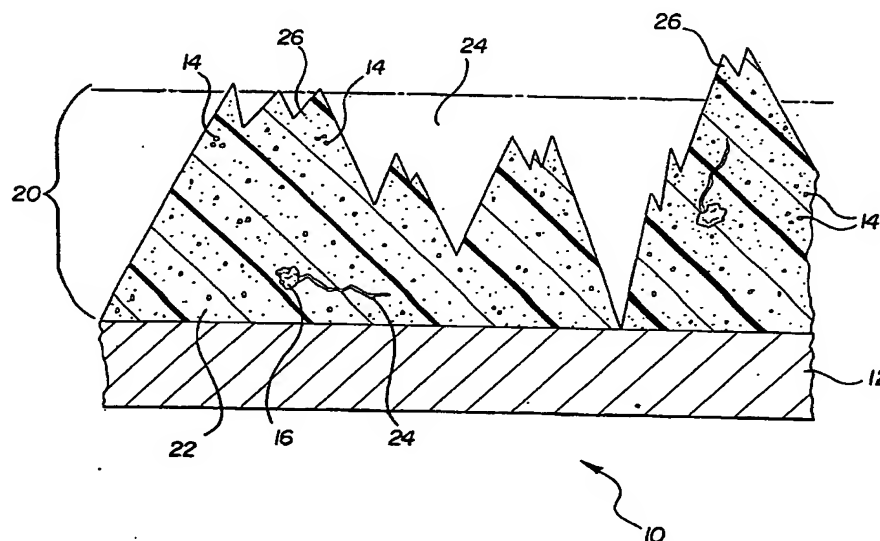
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(54) Title: ABRADABLE DRY POWDER COATINGS ON PISTON ASSEMBLY COMPONENTS



(57) Abstract: An abrasion-resistant dry powder coating composition (20) for coating onto a piston assembly component (12) for subsequent curing to form into an abrasion-resistant coating, including a powder (16) formed of uncured thermoset resin with at least 5 volume percent filler, wherein the filler does not substantially melt below the cure temperature of the resin. Method for making and coating the coating composition includes melt-mixing the thermoset resin with at least 5 volume percent of filler, cooling the resulting mass composite, and then breaking the cooled mass composite into powder particles (16). Method of coating an article with an abrasion-resistant coating includes applying the dry composite powder with the filler therein onto the piston assembly component and curing the dry powder composition, preferably by electrostatic powder coating.

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